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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

|   |                        |                        |
|---|------------------------|------------------------|
| <b>TRANSMITTAL<br/>FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 10/568,215-Conf. #8128 |
|   | Filing Date            | February 13, 2006      |
|   | First Named Inventor   | Mary Lopez             |
|   | Art Unit               | N/A                    |
|   | Examiner Name          | Not Yet Assigned       |
| Total Number of Pages in This Submission  | Attorney Docket Number | NEN-22502/16           |

## ENCLOSURES (Check all that apply)

|  |  |  |
|--|--|--|
| <input type="checkbox"/> Fee Transmittal Form<br><br><input type="checkbox"/> Fee Attached<br><br><input type="checkbox"/> Amendment/Reply<br><br><input type="checkbox"/> After Final<br><br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Reply to Missing Parts/Incomplete Application<br><br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s) _____<br><br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input type="checkbox"/> Other Enclosure(s) (please identify below): |
| <div>Remarks</div>   |  |  |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|              |  |          |        |
|--------------|--|----------|--------|
| Firm Name    | GIFFORD, KRASS, GROH, SPRINKLE, ANDERSON & CITKOWSKI, P.C. |          |        |
| Signature    | <i>Avery M. Goldstein</i>                                  |          |        |
| Printed name | Avery M. Goldstein   |          |        |
| Date         | June 5, 2006   | Reg. No. | 39,204 |



Docket No.: NEN-22502/16  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of:  
May Lopez

Application No.: 10/568,215

Confirmation No.: 8128

Filed: February 13, 2006

Art Unit: N/A

For: Parallel process for protein or virus  
separation from a sample

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Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the References Cited on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned ( 37 CFR 1.97 ( b ) ( 3 ) ) .

A copy of only those references listed below is attached:

| Other Documents  |
|--|
| Chen, Xian, et al, Site-Specific Mass Tagging with Stable Isotopes in Proteins for Accurate and Efficient Protein Identification, Anal. Chem. 2000, 72, 1134-1143  |
| Weckwerth, Wolfram, et al, Comparative quantification and identification of phosphoproteins using stable isotope labeling and liquid chromatography/mass spectrometry, Rapid Commun. Mass Spectrom. 14, 1677-1681 ( 2000)  |
| Kelleher, Neil L., et al, Identification of Modification Sites in Large Biomeolecules by Stable Isotope Labeling and Tandem High Resolution Mass Spectrometry, The Journal of Biological Chemistry, Vol. 272, No. 51, Issue of December 19, pp.32215-32220, 1997 |
| Oda, Y., et al, Accurate quantitation of protein expression and site-specific phosphorylation, Pro. Natl. Acad. Sci. USA, Vol. 96, pp. 6591-6596, June 1999  |

In accordance with 37 CFR 1.97 ( g ) , the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56 ( a ) exists. In accordance with 37 CFR 1.97 ( h ) , the filing of this Information Disclosure statement shall not be construed to

be an admission that any patent, publication or other information referred to therein is prior art for this invention unless specifically designated as such.

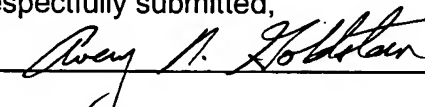
It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith ( or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 07-1180, under Order No. NEN-22502/16. A duplicate copy of this paper is enclosed.

Dated:

Respectfully submitted,

By



Avery N. Goldstein

Registration No.: 39,204

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PTO/SB/08a/b (07-05)

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| <b>Substitute for form 1449A/B/PTO</b><br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    |   | <b>Complete if Known</b> |                        |
|   |   |    |   | Application Number       | 10/568,215-Conf. #8128 |
|   |   |    |   | Filing Date              | February 13, 2006      |
|   |   |    |   | First Named Inventor     | May Lopez              |
|   |   |    |   | Art Unit                 | N/A                    |
|   |   |    |   | Examiner Name            | Not Yet Assigned       |
| Sheet   | 1 | of | 1 | Attorney Docket Number   | NEN-22502/16           |

| U.S. PATENT DOCUMENTS |                          |  |                                |  |   |
|-----------------------|--------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       |                          |  |                                |  |   |

| FOREIGN PATENT DOCUMENTS |                          |   |                                   |  |   |                |
|--------------------------|--------------------------|---|-----------------------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|                          |                          | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                   |  |   |                |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS |                          |  |  |  |                |
|---------------------------------|--------------------------|--|--|--|----------------|
| Examiner<br>Initials            | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.  |  |  | T <sup>2</sup> |
|                                 | CA                       | Chen, Xian, et al, Site-Specific Mass Tagging with Stable Isotopes in Proteins for Accurate and Efficient Protein Identification, Anal. Chem. 2000, 72, 1134-1143  |  |  |                |
|                                 | CB                       | Weckwerth, Wolfram, et al, Comparative quantification and identification of phosphoproteins using stable isotope labeling and liquid chromatography/mass spectrometry, Rapid Commun. Mass Spectrom. 14, 1677-1681 (2000)   |  |  |                |
|                                 | CC                       | Kelleher, Neil L., et al, Identification of Modification Sites in Large Biomeolecules by Stable Isotope Labeling and Tandem High Resolution Mass Spectrometry, The Journal of Biological Chemistry, Vol. 272, No. 51, Issue of December 19, pp.32215-32220, 1997 |  |  |                |
|                                 | CD                       | Oda, Y., et al, Accurate quantitation of protein expression and site-specific phosphorylation, Pro. Natl. Acad. Sci. USA, Vol. 96, pp. 6591-6596, June 1999  |  |  |                |

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|



Application No. (if known): 10/568,215

Attorney Docket No.: NEN-22502/16

## Certificate of Express Mailing Under 37 CFR 1.10

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IDS (Citation) by Applicant (4 References) (1 page)  
Information Disclosure Statement (3 pages)  
Transmittal (1 page)